Application No.: 10/024,178

Art Unit 2826

Attorney Docket No. 2658-0277P

Supplemental Reply to June 8, 2006 Office Action

Page 2

AMENDED CLAIMS

1. (Previously Presented) A liquid crystal display device having a pixel electrode,

comprising:

at least two storage capacitors disposed between a gate line and a capacitor electrode

formed above the gate line, said gate line being connected, via a contact hole passing through

said at least two storage capacitors, to the capacitor electrode, wherein the capacitor electrode is a

different electrode than the pixel electrode.

2. (Currently Amended) A liquid crystal display device, comprising:

at least two storage capacitors disposed between a gate line and a capacitor electrode

formed above the gate line, said gate line being connected, via [[a]] one contact hole passing

through said at least two storage capacitors, to the capacitor electrode; and

wherein the capacitor electrode is made from a transparent conductive material selected

from the group consisting of indium-tin-oxide, indium-zinc-oxide and indium-tin-zinc-oxide.

3. (Currently Amended) A liquid crystal display device, comprising:

at least two storage capacitors disposed between a gate line and a capacitor electrode

formed above the gate line, said gate line being connected, via [[a]] one contact hole passing

through said at least two storage capacitors, to the capacitor electrode;

a gate insulating film provided on a substrate;

a storage electrode provided on the gate insulating film to overlap the gate line; and

Application No.: 10/024,178

Art Unit 2826

Attorney Docket No. 2658-0277P

Supplemental Reply to June 8, 2006 Office Action

Page 3

a protective layer provided between the storage electrode and the capacitor electrode.

4. (Previously Presented) A liquid crystal display device, comprising:

at least two storage capacitors disposed between a gate line and a capacitor electrode

formed above the gate line, said gate line being connected, via a contact hole passing through

said at least two storage capacitors, to the capacitor electrode;

a gate insulating film provided on a substrate;

a storage electrode provided on the gate insulating film to overlap the gate line;

a protective layer provided between the storage electrode and the capacitor electrode;

a first storage capacitor provided between the storage electrode and the gate line with the

intervening gate insulating film; and

a second storage capacitor provided between the storage electrode and the capacitor

electrode with the intervening protective layer.

5. (Previously Presented) The liquid crystal display device as claimed in claim 4, wherein

the first storage capacitor is connected to the second storage capacitor in parallel.

6. (Previously Presented) The liquid crystal display device as claimed in claim 4, wherein

the contact hole is at least two holes spaced to each other at a length larger than the width of the

storage electrode.

Application No.: 10/024,178
Art Unit 2826

Attorney Docket No. 2658-0277P Supplemental Reply to June 8, 2006 Office Action

Page 4

7. (Previously Presented) The liquid crystal display device as claimed in claim 6, wherein

the capacitor electrode has a length larger than the storage electrode.

8. (Previously Presented) The liquid crystal display device as claimed in claim 3, further

comprising:

a gate electrode connected to the gate line;

source and drain electrodes provided on the gate insulating film; and

a pixel electrode provided on the protective layer to be electrically connected to the drain

electrode.

9. (Previously Presented) The liquid crystal display device as claimed in claim 3, wherein

the pixel electrode electrically contacts the storage electrode through said contact hole passing

through the protective layer.

10. (Previously Presented) The liquid crystal display device as claimed in claim 8,

wherein the gate insulating film has a thickness of about 4000Å.

11. (Previously Presented) The liquid crystal display device as claimed in claim 8,

wherein the protective layer has a thickness of about 2000Å.

12-13. (Canceled)

Application No.: 10/024,178 Attorney Docket No. 2658-0277P

Art Unit 2826 Supplemental Reply to June 8, 2006 Office Action

Supplemental Reply to June 8, 2006 Office Action Page 5

14. (Currently Amended) The method as claimed in claim 12,

A method of fabricating a liquid crystal display device, comprising the steps of:

forming a gate line on a substrate;

forming a gate insulating film on the substrate:

forming a storage electrode on the gate insulating film to overlan the gate line:

forming a protective layer made of an insulating material on the gate insulating film:

defining at least two contact holes to expose the gate line; and

forming a capacitor electrode electrically contacting the gate line on the protective layer,

wherein the said least two contact holes are spaced to each other at a length larger than the width

of the storage electrode.

15. (Previously Presented) The method as claimed in claim 14, wherein the capacitor

electrode has a length larger than the storage electrode.

16. (Currently Amended) The method as claimed in claim 12, A method of fabricating a

liquid crystal display device, comprising the steps of:

forming a gate line on a substrate;

forming a gate insulating film on the substrate;

forming a storage electrode on the gate insulating film to overlap the gate line:

forming a protective layer made of an insulating material on the gate insulating film:

defining at least two contact holes to expose the gate line; and

Application No.: 10/024,178 Attorney Docket No. 2658-0277P

Art Unit 2826 Supplemental Reply to June 8, 2006 Office Action

Supplemental Reply to June 8, 2006 Office Action Page 6

forming a capacitor electrode electrically contacting the gate line on the protective layer,

further comprising the steps of:

forming a gate electrode connected to the gate line on the substrate;

forming a semiconductor layer on the gate insulating film;

forming source and drain electrodes on the semiconductor layer; and

forming a pixel electrode on the protective layer.

17. (Previously Presented) The method as claimed in claim 16, wherein the pixel

electrode electrically contacts the storage electrode through said contact hole passing through the

protective layer.

18. (Previously Presented) The method as claimed in claim 16, wherein the gate

insulating film has a thickness of about 4000Å.

19. (Previously Presented) The method as claimed in claim 16, wherein the protective

layer has a thickness of about 2000Å.

20. (Currently Amended) A liquid crystal display device, comprising:

at least two storage capacitors disposed between a gate line and a capacitor electrode

formed above the gate line, said gate line being directly connected, via [[a]] one contact hole

passing through said at least two storage capacitors, to a capacitor electrode of only one of the

Application No.: 10/024,178 Art Unit 2826

Attorney Docket No. 2658-0277P Supplemental Reply to June 8, 2006 Office Action

Page 7

two storage capacitors.

21. (Currently Amended) A liquid crystal display device having an uppermost electrode,

comprising:

at least two storage capacitors disposed between a gate line and a capacitor electrode

formed above the gate line, said gate line being directly connected, via [[a]] one contact hole

passing through said at least two storage capacitors, to the capacitor electrode which is the

uppermost electrode.

22. (Currently Amended) A liquid crystal display device, comprising:

at least two storage capacitors disposed vertically above one another between a gate line

and a capacitor electrode formed above the gate line, said gate line being connected, via [[a]] one

contact hole passing through said at least two storage capacitors, to the capacitor electrode; and

wherein the capacitor electrode is made from a transparent conductive material selected

from the group consisting of indium-tin-oxide, indium-zinc-oxide and indium-tin-zinc-oxide.